

# NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 11-29-97 are:

- A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

and the name and telephone number of a person to call in case of an emergency.

<p>1. DRAWINGS. 37 CFR 1.84(a). Acceptable categories of drawings:  <input checked="" type="checkbox"/> Black ink. Color drawings are not acceptable until petition is granted.  <input checked="" type="checkbox"/> Pencil and non-black ink not permitted. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Poor quality (half-tone). Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Paper not flexible, strong, white, and durable. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Mylar, velum paper is not acceptable (too thin). Fig(s) <u>15, 16, 17, 18, 19</u></p> <p>2. PHOTOGRAPHS. 37 CFR 1.84(b)  <input checked="" type="checkbox"/> 1 full-tone set is required. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Poor quality (half-tone). Fig(s) <u>15, 16, 17, 18, 19</u></p> <p>3. TYPE OF PAPER. 37 CFR 1.84(c)  <input checked="" type="checkbox"/> Paper not flexible, strong, white, and durable. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Mylar, velum paper is not acceptable (too thin). Fig(s) <u>15, 16, 17, 18, 19</u></p> <p>4. SIZE OF PAPER. 37 CFR 1.84(f). Acceptable sizes:  <input checked="" type="checkbox"/> 21.0 cm by 29.7 cm (DIN size A4)  <input checked="" type="checkbox"/> 21.6 cm by 27.9 cm (8 1/2 x 11 inches)  <input checked="" type="checkbox"/> All drawing sheets not the same size. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Sheet(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Drawings sheets not an acceptable size. Fig(s) <u>15, 16, 17, 18, 19</u></p> <p>5. MARGINS. 37 CFR 1.84(g). Acceptable margins:  <input checked="" type="checkbox"/> Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  <input checked="" type="checkbox"/> SIZE: A4 Size  <input checked="" type="checkbox"/> Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  <input checked="" type="checkbox"/> SIZE: 8 1/2 x 11  <input checked="" type="checkbox"/> Margins not acceptable. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Top (T) <u>15, 16, 17, 18, 19</u> Left (L) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Right (R) <u>15, 16, 17, 18, 19</u> Bottom (B) <u>15, 16, 17, 18, 19</u></p> <p>6. VIEWS. 37 CFR 1.84(h)  <input checked="" type="checkbox"/> REMINDER: Specification may require revision to correspond to drawing changes.  <input checked="" type="checkbox"/> Partial views. 37 CFR 1.84(h)(2)  <input checked="" type="checkbox"/> Brackets needed to show figure as one entity. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Views not labeled separately or properly. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Enlarged view not labeled separately or properly. Fig(s) <u>15, 16, 17, 18, 19</u></p> <p>7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)  <input checked="" type="checkbox"/> Hatching not indicated for sectional portions of an object. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Sectional designation should be noted with Arabic or Roman numbers. Fig(s) <u>15, 16, 17, 18, 19</u></p>	<p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)  <input checked="" type="checkbox"/> Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) <u>15, 16, 17, 18, 19</u></p> <p>9. SCALE. 37 CFR 1.84(k)  <input checked="" type="checkbox"/> Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) <u>15, 16, 17, 18, 19</u></p> <p>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS. 37 CFR 1.84(l)  <input checked="" type="checkbox"/> Lines, numbers &amp; letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Solid black areas pale. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Solid black shading not permitted. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Shade lines, pale, rough and blurred. Fig(s) <u>15, 16, 17, 18, 19</u></p> <p>11. SHADING. 37 CFR 1.84(m)  <input checked="" type="checkbox"/> Solid black areas pale. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Solid black shading not permitted. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Shade lines, pale, rough and blurred. Fig(s) <u>15, 16, 17, 18, 19</u></p> <p>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS. 37 CFR 1.84(p)  <input checked="" type="checkbox"/> Numbers and reference characters not plain and legible. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Figure legends are poor. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1). Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> English alphabet not used. 37 CFR 1.84(p)(2). Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) <u>15, 16, 17, 18, 19</u></p> <p>13. LEAD LINES. 37 CFR 1.84(q)  <input checked="" type="checkbox"/> Lead lines cross each other. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Lead lines missing. Fig(s) <u>15, 16, 17, 18, 19</u></p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)  <input checked="" type="checkbox"/> Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Sheet(s) <u>15, 16, 17, 18, 19</u></p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u)  <input checked="" type="checkbox"/> Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) <u>15, 16, 17, 18, 19</u></p> <p>16. CORRECTIONS. 37 CFR 1.84(w)  <input checked="" type="checkbox"/> Corrections not made from prior PTO-948 dated <u>11-29-97</u></p> <p>17. DESIGN DRAWINGS. 37 CFR 1.152  <input checked="" type="checkbox"/> Surface shading shown not appropriate. Fig(s) <u>15, 16, 17, 18, 19</u>  <input checked="" type="checkbox"/> Solid black shading not used for color contrast. Fig(s) <u>15, 16, 17, 18, 19</u></p>
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COMMENTS

REVIEWER JC

DATE 3-6-00

TELEPHONE NO. 703 305 8450

ATTACHMENT TO PAPER NO. \_\_\_\_\_

232, 454/P

NOTICE OF DRAFTSMAN'S REVIEW  
INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities--37 CFR 1.85

File new drawings with the changes incorporated therein. The application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application, should be placed on the back of each sheet of drawings in accordance with 37 CFR 1.84(c). Applicant may delay filing of the new drawings until receipt of the Notice of Allowability (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Processing Branch.

2. Timing for Corrections

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37). If a correction is determined to be unacceptable by the Office, applicant must arrange to have acceptable corrections resubmitted within the original three-month period to avoid the necessity of obtaining an extension of time and paying the extension fee. Therefore, applicant should file corrected drawings as soon as possible.

Failure to take corrective action within set (or extended) period will result in ABANDONMENT of the Application.

3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO-948

All changes to the drawings, other than informalities noted by the Drawing Review Branch, MUST be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

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DATE 3-1-00

AT 10:00 AM